

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/009574

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04N7/24 G11B27/00 H04N7/26 G11B20/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	WO 2004/023815 A (METAV INC) 18 March 2004 (2004-03-18) the whole document	1-20
P,A	US 6 724 981 B1 (PARK JONG WOOK ET AL) 20 April 2004 (2004-04-20) the whole document	1-20
P,A	EP 1 422 710 A (MATSUSHITA ELECTRIC IND CO LTD) 26 May 2004 (2004-05-26) the whole document	1-20
P,A	EP 1 357 749 A (TOKYO SHIBAURA ELECTRIC CO) 29 October 2003 (2003-10-29) the whole document	1-20
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

29 November 2004

Date of mailing of the international search report

08/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 877 377 A (MATSUSHITA ELECTRIC IND CO LTD) 11 November 1998 (1998-11-11) column 18, line 33 - column 19, line 33; figures 4a, 17-19 column 38, line 15 - column 39, line 50; figure 31 column 43, line 20 - column 44, line 21 -----	1-20
Y	US 2002/157112 A1 (KUHN PETER) 24 October 2002 (2002-10-24) paragraph '0019! - paragraph '0023! -----	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/009574

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2004023815 A	18-03-2004	WO 2004023815 A1 US 2004046778 A1	18-03-2004 11-03-2004
US 6724981 B1	20-04-2004	KR 2000059380 A CN 1266333 A DE 10010490 A1 GB 2350514 A ,B JP 3302970 B2 JP 2000261802 A	05-10-2000 13-09-2000 14-09-2000 29-11-2000 15-07-2002 22-09-2000
EP 1422710 A	26-05-2004	EP 1422710 A1 WO 03010766 A1 JP 2003228922 A	26-05-2004 06-02-2003 15-08-2003
EP 1357749 A	29-10-2003	JP 2003249057 A CN 1441598 A EP 1357749 A1 US 2003161615 A1	05-09-2003 10-09-2003 29-10-2003 28-08-2003
EP 0877377 A	11-11-1998	EP 0877377 A1 US 6381398 B1 CN 1213454 A ,B WO 9821722 A1	11-11-1998 30-04-2002 07-04-1999 22-05-1998
US 2002157112 A1	24-10-2002	AU 4112201 A CA 2374067 A1 CN 1372769 T EP 1177691 A1 WO 0169936 A2 JP 2003527005 T	24-09-2001 20-09-2001 02-10-2002 06-02-2002 20-09-2001 09-09-2003